

Title (en)
ELECTRIC COMPRESSOR TERMINAL DEVICE

Title (de)
ANSCHLUSSVORRICHTUNG FÜR ELEKTRISCHEN KOMPRESSOR

Title (fr)
DISPOSITIF DE BORNE D'ÉLECTRO-COMPRESSEUR

Publication
EP 2221477 A4 20170329 (EN)

Application
EP 08850482 A 20081114

Priority
• JP 2008070777 W 20081114
• JP 2007297926 A 20071116

Abstract (en)
[origin: EP2221477A1] Provided is a terminal device for an electric compressor including: a partition wall arranged between a container part for a compression mechanism drive motor present with a lubricant-containing fluid to be compressed and a circuit part for supplying power to the motor; and a power supply terminal member hermetically extending through the partition wall so as to supply power to the motor. An electric communication portion of the terminal member extending between the two parts is covered with insulating varnish. Even when polyalkylene glycol-based oil is used as the lubricant-containing fluid to be compressed, it is possible to realize an electric compressor terminal device with a simple structure at a low cost which can exhibit a sufficiently high insulation performance.

IPC 8 full level
F04B 39/02 (2006.01); **F04B 39/12** (2006.01); **F04C 18/02** (2006.01); **F04C 23/00** (2006.01); **H02K 5/12** (2006.01); **H02K 5/22** (2006.01)

CPC (source: EP US)
F04B 39/023 (2013.01 - EP US); **F04B 39/12** (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **H02K 5/12** (2013.01 - EP US); **H02K 5/225** (2013.01 - EP US); **F04C 2240/803** (2013.01 - EP US)

Citation (search report)
• [X1] US 4252394 A 19810224 - MILLER AUSTIN S
• [X1] US 4984973 A 19910115 - ITAMERI-KINTER TERRY [US], et al
• [A] US 2005218733 A1 20051006 - GANDRUD MICHAEL D [US]
• [A] US 6005312 A 19991221 - YAMANE SHUICHI [JP]
• [A] JP 2003129983 A 20030508 - SANDEN CORP
• See references of WO 2009063979A1

Cited by
EP2708747A1; FR2995368A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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DOCDB simple family (application)
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